



ENDOTOXIN ADSORBENT AND REMOVING METHOD OF ENDOTOXIN USING THE SAME

Patent number: JP58013519
Publication date: 1983-01-26
Inventor: NIWA MAKOTO; others: 02
Applicant: SEIKAGAKU KOGYO KK
Classification:
- **international:** A61K37/02; A61M1/03; B01D15/00
- **europaean:**
Application number: JP19810111340 19810716
Priority number(s):

Abstract of **JP58013519**

PURPOSE: To remove an endotoxin which is a substance exhibiting the pyrexia or shock symptoms on invasion into the human body, by bringing an adsorbent consisting of an immobilized polymyxin into contact with a solution containing endotoxin, and separating adsorbent.

CONSTITUTION: A polymyxin which is a cyclic peptide antibiotic substance is immobilized in an insoluble carrier, e.g. agarose, to give an endotoxin adsorbent. A solution containing an endotoxin is brought into contact with the adsorbent, and the adsorbent is then separated to give a solution containing no endotoxin. The endotoxin is a complex of a ribopolysaccharide with a protein constituting the exosporium of Gram-negative bacteria, being heat resistant and chemically stable and easily inactivated. The use of the adsorbent permits the separation and removal of the endotoxin even under mild conditions, and the action of the endotoxin can be removed from the drug or medicinal tools.

Data supplied from the **esp@cenet** database - Worldwide